

03040204-06
(Lake Swamp)

General Description

The South Carolina portion of 03040204-06 (formerly 03040204-080 less Cedar Creek and Black Creek) is located in Horry County and consists primarily of **Lake Swamp** and its tributaries. The watershed occupies 114,286 acres of the Lower Coastal Plain region of South Carolina. Land use/land cover in the watershed includes: 46.9% agricultural land, 33.9% forested wetland, 11.8% forested land, 5.9% urban land, 0.9% scrub/shrub land, 0.5% nonforested wetland, and 0.1% water.

Mitchell Swamp accepts drainage from Haggins Creek (Calf Ford Branch), Skeebo Branch (Savannah Branch), Mill Branch, Seed Tick Branch, Iron Springs Swamp (Iron Springs Bay, Bobs Branch, Pinelog Branch), and Long Branch. Mitchell Swamp joins with Pleasant Meadow Swamp (Gaskins Branch, Holmes Branch, Spring Branch, Big Branch, Fifth Branch, Rooty Branch) to form the headwaters of Lake Swamp. Downstream of the confluence, Playcard Swamp (Zeeks Branch, Pasture Branch, Chickencoop Branch, Daniel Hole Branch, Leather String Branch) enters the system followed by Breakfast Swamp, Prince Mill Swamp (Little Mill Branch, Big Mill Branch, Limerick Branch), Honey Camp Branch, Rattlesnake Branch, and Reedy Branch. Joiner Swamp (Long Branch, Joiner Bay, Bogue Bay) enters Lake Swamp next followed by Loosing Swamp (Watery Bay, Turf Camp Bay, Mose Swamp, Horsepen Bay). Loosing Swamp enters the system through Johnny Lake located on Lake Swamp downstream of Joiner Swamp. The Lake Swamp Watershed drains into the Little Pee Dee River. There are a total of 274.1 stream miles and 169.4 acres of lake waters in this watershed. Lake Swamp and Pleasant Meadow Swamp are classified FW* (dissolved oxygen not less than 4.0 mg/l and pH between 5.0 and 8.5); their tributaries and the remaining streams in the watershed are classified FW.

Surface Water Quality

| <u>Station #</u> | <u>Type</u> | <u>Class</u> | <u>Description</u> |
|------------------|-------------|--------------|--|
| RS-03513 | RS03 | FW | LOOSING SWAMP AT S-26-23, 3.7 MI NE OF AYNOR |
| PD-176 | W/INT | FW* | LAKE SWAMP AT S-26-99 |
| RS-04545 | W/INT | FW* | LAKE SWAMP AT S-26-99 |

Loosing Swamp (RS-03513) – This is a blackwater system, characterized by naturally low pH conditions. Although pH excursions occurred, they were typical of values seen in blackwater systems and were considered natural, not standards violations. Aquatic life uses are not supported due to dissolved oxygen excursions. Recreational uses are fully supported.

Lake Swamp (PD-176/RS-04545) – This is a blackwater system, characterized by naturally low dissolved oxygen conditions. Although dissolved oxygen excursions occurred, they were typical of values seen in blackwater systems and were considered natural, not standards violations. Aquatic life and recreational uses are fully supported.

NPDES Program

Active NPDES Facilities

RECEIVING STREAM

FACILITY NAME

PERMITTED FLOW @ PIPE (MGD)

NPDES#

TYPE

COMMENT

PLEASANT MEADOWS SWAMP
GSW&SA/LORIS WWTF
PIPE #: 001 FLOW: 0.70
PIPE #: 001 FLOW:1.0 (PROPOSED)
PIPE #: 001 FLOW:1.2 (PROPOSED)

SC0025348
MINOR DOMESTIC

Nonpoint Source Management Program

Land Disposal Activities

Landfill Facilities

LANDFILL NAME

FACILITY TYPE

PERMIT #

STATUS

CITY OF LORIS DUMP
MUNICIPAL

CLOSED

WACCAMAW WHEEL WILLIAMS INC.
WTP

262489-5201
INACTIVE

SODBUSTERS TURF, INC. WOOD CHIPPING FAC.
COMPOSTING

262781-3001
ACTIVE

Land Application Sites

LAND APPLICATION SYSTEM

FACILITY NAME

ND#

TYPE

SPRAYFIELD
GSW&SA/GREEN SEA FLOYDS HIGH SCHOOL

ND0066516
DOMESTIC

Mining Activities

MINING COMPANY

MINE NAME

PERMIT #

MINERAL

ALFORD & CO.
ALFORD MINE

1476-51
SAND

GOODSON CONSTRUCTION COMPANY
JOHNSON MINE

1691-51
SAND/CLAY

SODBUSTERS TURF, INC.
SMITH MINE

1740-51
SAND/CLAY

Water Quantity

Portions of this watershed fall within the Waccamaw Capacity Use Area and large groundwater uses must be reported (see Capacity Use Program p.27).

Growth Potential

There is a low potential for growth in this watershed, which contains the City of Loris. Water and sewer infrastructure are located in the City of Loris, and water service is available

along the U.S. Hwy. 701 corridor to the City of Conway. Outside of Loris, the area is predominately rural with agricultural uses and timberlands. The proposed Preferred Alternative route of I-73 (Southern Corridor) would cross this watershed and could bring some growth to the area, especially around interchanges.